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ICENIS 2017

International Conference
on Energy, Environment
and Information System



ON ENERGY, ENVIRONMENT, AND INFORMATION SYSTEM

AUGUST, 15th - 16th 2017
SANTIKA PREMIERE HOTEL
SEMARANG, INDONESIA

PROGRAMME AND ABSTRACT BOOK

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Dr. Suryono (UNDIP – Indonesia)
Dr. Tri Retnaningsih Soeprbowati, MApp.Sc

KEYNOTE SPEAKER

Prof. Josef Winter

Karlsruhe Institute of Technology KIT, Institute of Biology for
Engineers and Biotechnology of Wastewater Treatment,
Germany

*"Energy supply from wastewater treatment and biowaste
digestion to reduce environmental burden"*

Dr. Bambang Setiadi

Chairman of National Research Council –
Dewan Riset Nasional

Himlal Baral, PhD

Center for International Forestry Research (CIFOR)
Bogor, Indonesia

*"Potential Of Pongamia For Bioenergy And Restoration Of
Degraded Land In Indonesi"*

Prof. Dr. Claudia Gallert

University of Applied Science Emden Leer, Faculty of
Technology, Division Microbiology Biotechnology, Germany
"Multiresistant bacteria in aqueous environment"

Prof. Peter Gell

Water Research Network
Federation University Australia

*"Management to insulate ecosystem services from the effects
of catchment development"*

Dr. Tri Retnaningsih Soeprbowati, MApp.Sc

- School of Postgraduate Studies, Universitas Diponegoro
-Department of Biology, Faculty of Science and Mathematics,
Universitas Diponegoro, Semarang Indonesia
*"Find The Future From The Past: Palaeolimnology In
Indonesia"*

Prof. Dato' Ir. DR. Wan Ramli Wan Daud FASc

-Founding Director and Principal Research Fellow
Fuel Cell Institute

-Department of Chemical & Process Engineering
Faculty of Engineering & Built Environment
Universiti Kebangsaan Malaysia

*"Microbial Fuel Cells: Simultaneous Power Generation And
Wastewater Treatment"*

Prof. Dr. Ir. Widodo Wahyu Purwanto, DEA

Sustainable Energy Systems and Policy Research Cluster
Department of Chemical Engineering, Faculty of Engineering,
Universitas Indonesia

*"Assessing Energy Status and Sustainable Energy System
Design in an Archipelagic State"*

Prof. Dr. Teddy Mantoro, SMIEEE

Sampoerna University, Faculty Engineering and Technology

*"Towards Smart Information Systems: Exploitation on
Intelligent Speech News and Tracking User Location Indoor"*

PROGRAM

1 ST DAY, TUESDAY, 15 AUGUST 2017 – PLENARY SESSION	
Time	Program
07.00 – 08.15	Registration
08.15 – 08.45	Opening Ceremony
08.45 – 09.00	Coffee Break 1
09.00 – 11.00	Plenary Lecture & Discussion (1) <ul style="list-style-type: none">• Prof. Josef Winter (KIT – Germany)• Dr. Bambang Setiadi (Dewan Riset Nasional)• Himlal Baral, PhD (CIFOR, Nepal) Moderator : Prof. Sudharto P. Hadi, MES, PhD (UNDIP)
	Plenary Lecture & Discussion (2) <ul style="list-style-type: none">• Prof. Claudia Gallert (University of applied science – Emden/Leer – Germany)• Prof. Peter Gell (Federation University Australia)• Dr. Tri Retnaningsih Soeprbowati, MAppSc (UNDIP) Moderator : Dr. Hadiyanto, MSc (UNDIP)
12.45 – 13.45	Lunch

1ST DAY, TUESDAY, 15 AUGUST 2017 – PARALLEL SESSION

Time	Room 1	Room 2	Room 3	Room 4	Room 5	Room 6	Room 7	Room 8
13.45 – 14.00	EMP-01	EC-05	EC-19	EPPE-30	PC-03	EC-01	DSS-02	SIS-01
14.00 – 14.15	EMP-02	EC-12	EC-28	EHT-01	PC-05	EC-16	DSS-03	SIS-02
14.15 – 14.30	EMP-03	EC-14	EPPE-02	EHT-03	PC-06	EC-26	DSS-06	SIS-03
14.30 – 14.45	ECE-02	EC-17	EPPE-11	EHT-05	PC-07	EC-27	DSS-07	SIS-04
14.45 – 15.00	ECT-05	EC-21	EPPE-13	EHT-07	PC-10	EC-29	DSS-08	SIS-05
15.00 – 15.15	ECT-06	EC-31	EPPE-16		EC-08	EC-32	DSS-12	SIS-06
15.15 – 15.30	Coffee Break							
15.30 – 15.45	ECE-01	EC-02	EC-03	EE-01	WM-06	PC-09	DSS-04	SIS-07
15.45 – 16.00	ECE-03	EC-04	EC-10	EE-02	ET-01	EC-13	DSS-05	SIS-08
16.00 – 16.15	ECT-01	EC-07	EC-11	EE-03	ET-17	ET-04	DSS-09	SIS-09
16.15 – 16.30	ECT-03	EC-15	EC-20	EE-04	PC-02	EPPE-28	DSS-10	SIS-10
16.30 – 16.45	RE-08	EC-30	PC-11	EE-05	WM-03	PC-08	DSS-11	SIS-11
16.45 – 17.00	RE-13	EPPE-19	PC-12				DSS-01	SIS-12

2ND DAY, WEDNESDAY, 16 AUGUST 2017 – PLENARY SESSION

Time	Program
08.00 – 10.30	Plenary Lecture & Discussion <ul style="list-style-type: none"> • Prof. Dato' Ir. Dr. Wan Ramli Wan Daud (Universiti Kebangsaan Malaysia) • Prof. Widodo W. Purwanto, DEA (University of Indonesia) • Prof. Dr. Teddy Mantoro (Sampoerna University, Indonesia)
10.30 – 10.45	Moderator : Prof. Dr. Ir. Purwanto, DEA (UNDIP)
10.30 – 10.45	Coffee Break